

Agent125 - An agent submitted to the ANAC 2022 SCM League

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June 17, 2022

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1 Negotiation choices

1.1 If the agent is a seller

The selling price offered is around the threshold of agent's best possible prices. A minimum and maximum range are calculated using the best selling prices until that step. The threshold calculated as a descending threshold (Between 0 to 1) using the number of steps taken and a constant number. After threshold calculation, the price is calculated as: $\text{minPriceRange} + \text{threshold} * (\text{maxRange} - \text{minRange})$

1.2 If the agent is a buyer

The buying price is also around the threshold of agent's best possible prices. A minimum and maximum range are calculated using the best buying prices until that step. The threshold calculated as a descending threshold (Between 0 to 1) using the number of steps taken and a constant number. After threshold calculation, the price is calculated as: $\text{maxPriceRange} - \text{threshold} * (\text{maxRange} - \text{minRange})$

2 Strategy

Our agent maintains his quantities - and acts to meet his needs.
It doesn't get into negotiation if it doesn't need to.

3 Conclusion

Our agent is pretty conservative, it don't taking too much risks. Our approach is to buy or sell no more than the secured products and to not left with unsold

products. We choose to buy many products as we can in a lower price and trying to sell all we have bought.